SAFE GUN HANDLING

You should be fully familiar with the proper and safe handling with your Airsoft Gun. The basic principles of gun safety require you to always apply the following rules when handling an Airsoft gun.

Always wear eye protective gear.

Always shoot at a distance where people and cars pass cross.
Never shoot at people or animals as a target.

Avoid pulling the trigger carelessly.

Keep out of reach of children.

DO NOT ATTEMPT TO DISASSEMBLE OR TAMPER WITH YOUR AIRSOFT GUN. CONTACT CUSTOMER SERVICE AT VFC FOR REPAIR.

WARNING: DO NOT BRANDISH OR DISPLAY THIS AIRSOFT GUN IN PUBLIC IT CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK THIS AIRSOFT IS A FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THIS IS DANGEROUS AND MAY BE A CRIME.

WARNING: DADULT SUPERVISION IS REQUIRED; MISUSE MAY CAUSE SERIOUS INJURY; ESPECIALLY TO THE EYE. EYE PROTECTION DESIGNED FOR AIRSOFT GUNS MUST BE WORN BY THE USER AND ANY PERSON WITHIN RANGE. READ THIS OWNER’S MANUAL BEFORE USING. MAY BE DANGEROUS UP TO 200 METERS.
HISTORY OF VEGA FORCE COMPANY

Vega Force Company was founded by the people who love guns in 2004. The VFC founders believe that guns are ‘Works of Art’. VFC uses its expertise to produce highly realistic Airsoft replica with custom grade performance of internal mechanical design, which allows VFC users to have better shooting and operating experience. What's more than that is every VFC Airsoft product is in the standard of collection grade with strong and refined surface finishing. “Collectors wanted and operators wanted” is the motto for VFC’s products.

VR16 / M4 Series Features

The VFC VR16 series comes with full metal body, nice surface finishing and high quality VR16 engravings. The Internal of VR16 includes High-performance custom gearbox to let your rifle more powerful, and the MOSFET electronic control unit inside for higher efficiency and faster trigger response. Full of the QRS accessories allow you to adjust the rifle to fits your shooting motion. Dust cover can be flipped open to reveal hop-up adjuster, and VR16 also comes with an ambidextrous fire selector which is lefty friendly.

The VR16 series is one of the most unique products in VFC. It is distributed around the world, earned a good reputation and market response. It is combined with high-end technology and excellent quality to achieve and reach the high-end Airsoft AEG range. All the details and designs are amazing. It is simply reaching for the best.

NO COMPROMISE? GET VFC!
COMPONENTS

RIGHT SIDE

- Forward Assist
- Rear Sight
- Front Sight
- Port cover
- Magazine release button
- Magazine
- Pistol Grip

LEFT SIDE

- Flash Hider
- Handguard
- BOLT Catch
- Charging Handle
- Stock
- Trigger Guard
- Trigger
- Selector
- Buttstock Release Button

SAFETY SETTING

Safety Setting 保險位置
(The trigger can not be pulled)
Always set lever to SAFE position when gun is not in use.
在未使用玩具槍的狀態下，
始終將射擊選擇桿保持在保險位置

Semi Auto 半自動
Pulled the trigger, the gun will fire one shot each time.
扣動一次扳機，則發射一發子彈

Full Auto 全自動
The gun will fire automatically while the trigger remains pulled.
扣著扳機不放繼續發射子彈

WARNING・CAUTION
- Do not operate the selector lever while the trigger is depressed. Damage and malfunctions will occur if you attempt to do so.
- Do not pull the trigger while the selector is on SAFE. Doing so will damage the trigger and safety mechanisms.
- 當射擊選擇鈕處於保險狀態時，請勿去拉動扳機，
- 這樣容易造成扳機及保險裝置的損壞。
**INSTALLING BATTERY**

**WARNING • CAUTION**

Before changing the battery, point the gun in a safe direction, remove the magazine, and set the selector to SAFE.  

Open the battery cap, then plug in the battery.  

- + RED  
- - BLACK

When batteries have almost lost their charge they can cause gearbox malfunctions that require repair. Batteries should never be over-charged. This can damage the cell.  

Use only those batteries of min. 9.6 V 3000mAh  

WARNING • CAUTION

Always use high quality 0.20 gram or heavier BBs in your airsoft rifle.  

Make sure to set the magazine upwards and connect it firmly until a click sound is heard.  

**LOADING MAGAZINE**

Press the magazine release button to remove the magazine.  

Use only 6mm BB with the magazine.  

WARNING • CAUTION

- Always use high quality 0.20 gram or heavier BBs in your airsoft rifle.

- We will not be held responsible for any damage or incidents arising from use of poor quality or underweight BBs.

- 本公司概不負責。
ADJUSTING SIGHTS

ADJUSTING SIGHTS 準星照門調整

- UP
- DOWN
- PRESS
- RIGHT
- LEFT
- FLIP UP
- FLIP DOWN

INSTRUCTION MANUAL
ADJUSTING THE QRF STOCK

Press the stock release button, then adjust the stock position.
按下槍托釋放鈕，調整槍托位置。

WARNING • CAUTION
• Be careful not to catch your fingers when operating buttstock functions.
在調整槍托位置時，請小心不要夾到手指。

CHARGING AND BOLT CATCH

CHARGING AND OPEN DUMMY BOLT
槍機拉柄與槍機飾片

The charging handle can be pulled and the dummy bolt will be remain open.
向後拉動槍機拉柄，槍機飾片打開。

RELEASE DUMMY BOLT
槍機飾片覆位

To Release bolt, just press the bolt catch.
按壓槍機釋放鈕，槍機飾片覆位。

Pinch Point Warning
Keep fingers out of bolt area when releasing bolt catch.
釋放槍機飾片時，請勿將手指放在槍機位置，以免夾到手指。
FIRING

Set the selector lever to "SEMI" or "AUTO".

**WARNING • CAUTION**

• Confirm selector is off SAFE before firing the gun.
• Pulling the trigger while the selector is on SAFE will damage the gun and cause it to malfunction.

1. Set the selector lever to Semi-Auto or Full Auto.
2. Pull the trigger.  
   - Never put your finger on the trigger unless you are ready to shoot.

VARIBLE HOP-UP SYSTEM

Your VR16 rifle comes standard with a variable hop-up system. This hop-up system allows lift to be added to the bb’s flight thus improving distance performance. 您的VR16步槍皆配有配置HOP-UP調整系統，HOP-UP有助於您調整彈道，改善射擊表現。

Full Auto  全自動

The gun will fire automatically while the trigger remains pulled.

Semi Auto  半自動

Pulled the trigger, the gun will fire one shot each time.

CAUTION

- Too much hop up may cause BBs to jam.  
  If a jam occurs, immediately dial back the hop up and test fire again. 
  Otherwise, damaged and malfunctions will occur with the gun.

- Open bolt to adjust the HOP-UP system.  
  Gradually turn the adjustment dial in positive direction to increase hop up effect.

- Keeping the hop up system may cause damage to the gun.
  Turning excessively adversely affects the trajectory. So, stop turning the dial when bullets fly horizontally.
### Improper Hop-Up Setting Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB’s flying upward</td>
<td>Hop-up setting too high</td>
<td>Gradually return adjustment lever towards normal.</td>
</tr>
<tr>
<td>Short flying distance of BB’s (less Hop-up effect)</td>
<td>Hop-up setup too high</td>
<td>Gradually return adjustment lever towards normal.</td>
</tr>
<tr>
<td>Can not adjust</td>
<td>Damaged adjustment lever</td>
<td>Purchase the replacement part at your dealer or from VFC and replace it.</td>
</tr>
<tr>
<td>Frequent BB jamming</td>
<td>Hop-up setup too high</td>
<td>After the adjustment lever is returned to anormal side, and the hop is released, it adjusts again.</td>
</tr>
<tr>
<td>Improper or too large sized BB’s</td>
<td>Only use quality Airsoft BB’s</td>
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</tr>
<tr>
<td>Dirty Hop-up system</td>
<td>Clean using the cleaning rod</td>
<td>Clean using the cleaning rod or consult your dealer or VFC for repair.</td>
</tr>
<tr>
<td>Motor is cycling but gun does not fire</td>
<td>BB’s are clogged inside the magazine.</td>
<td>Insert the charging cord into the magazine and move it up and down several times to remove jammed bus.</td>
</tr>
<tr>
<td>Malfunction of full auto operation (automatic firing)</td>
<td>Poor electrical connection.</td>
<td>Consult your dealer, VFC for maintenance or repair.</td>
</tr>
<tr>
<td>Malfunction of semi-auto operation (single shot)</td>
<td>Poor electrical connection.</td>
<td>Consult your dealer, VFC for maintenance or repair.</td>
</tr>
<tr>
<td>Automatic firing cycles become slow</td>
<td>Insufficient battery power.</td>
<td>Charge the battery.</td>
</tr>
<tr>
<td>Shooting distance becomes shorter</td>
<td>Insufficient battery power.</td>
<td>Charge the battery.</td>
</tr>
<tr>
<td>Overly loud operating noise</td>
<td>Gear problems caused by excessive blank firing</td>
<td>Consult your dealer, VFC for maintenance or repair.</td>
</tr>
<tr>
<td>Bullets falling out from barrel</td>
<td>Gear problems caused by excessive blank firing</td>
<td>Consult your dealer, VFC for maintenance or repair.</td>
</tr>
</tbody>
</table>

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**WRONG - CAUTION**

- Never hold the gun sideways as the BB will curve right or left.
- This is due to the Hop-Up system. Ensure to hold the gun horizontally.
- If you find the gun with Hop-Up, it means you have a damaged Hop-Up system, please contact the manufacturer or authorized dealer.

**WARNING**

- Too much hop-up adjustment will affect the accuracy of the gun.
- Not enough hop-up adjustment will affect the stability of the gun.

**Best position**

- Forward Hop-Up, pellet will float up.
- Backward Hop-Up, pellet will fall down.

**Not enough hop-up adjustment**

- Forward Hop-Up, pellet will float up.
- Backward Hop-Up, pellet will fall down.
**MAINTENANCE**

- After Operation 射擊完畢後
  - Point the gun in a safe direction, remove the magazine and fire the gun in semi auto mode to clear the barrel and release the internal spring. 然後將槍管對準安全方向，卸下彈夾，然後將保險設置為安全位置。
  - Be aware a BB may still be in the barrel after the magazine is removed, or if the magazine is empty. 檢查卸下彈夾後槍管內是否還有 BB 彈，以及彈倉是否清空。
  - Cautions on Motor and Battery 注意馬達及電池
    - If the rate of fire noticeably drops, recharge the battery or replace with a fully charged one. 導火率明顯下降時，請將電池充滿電或更換已充電電池。
    - Allow adequate time (5-10 minutes) for motor and battery to cool after shooting 500 rounds continuously. 射擊 500 发之後至少 5-10 分鐘的時間讓馬達及電池冷卻。

**WARNING • CAUTION**
- Never use Mineral oil based lubricants. 切勿使用礦物油做潤滑。
- Please read the warning on page 1 before shooting. 射擊前詳讀第 1 頁注意事項。

**NOTE**

- When BB’s Are Clogged BB 彈卡住時
  - If a bb jam occurs, remove the magazine and clear the jam using a cleaning rod. 如果卡彈，卸下彈夾並將卡住的 BB 彈清除。
  - Apply a few drops of silicone oil to the Hop-up service port. If you are unable to clear the jammed bb’s, contact your nearest authorized dealer for service. 露出凹陷後在 Hop-Up 庫上，若無法清除卡住的 BB 彈，請與附近的經銷商聯繫。

- Use patch holder to clean the inner barrel. 使用貼棉條清潔槍管。
VGAS
CORE POWER
PURITY
QUALITY
POWERFUL

High Quality Green Gas
For Your Gas Rifle And Pistol
100% Made in Taiwan

1KG PACK

SUPREME PRECISION
GRADE BBs
For Your Gas Rifle And Pistol 100% Made In Taiwan

Diameter 5.95mm ± 0.01mm

CERTIFICATIONS:
Biodegradable Test Report ISO 14855-1 in connection with DIN EN 13432
Certified EN71 part 3:2013
Compliant with ASTM D-6402-99 "Standard Specifications for Compostable Plas-tes"